

FIG. 1

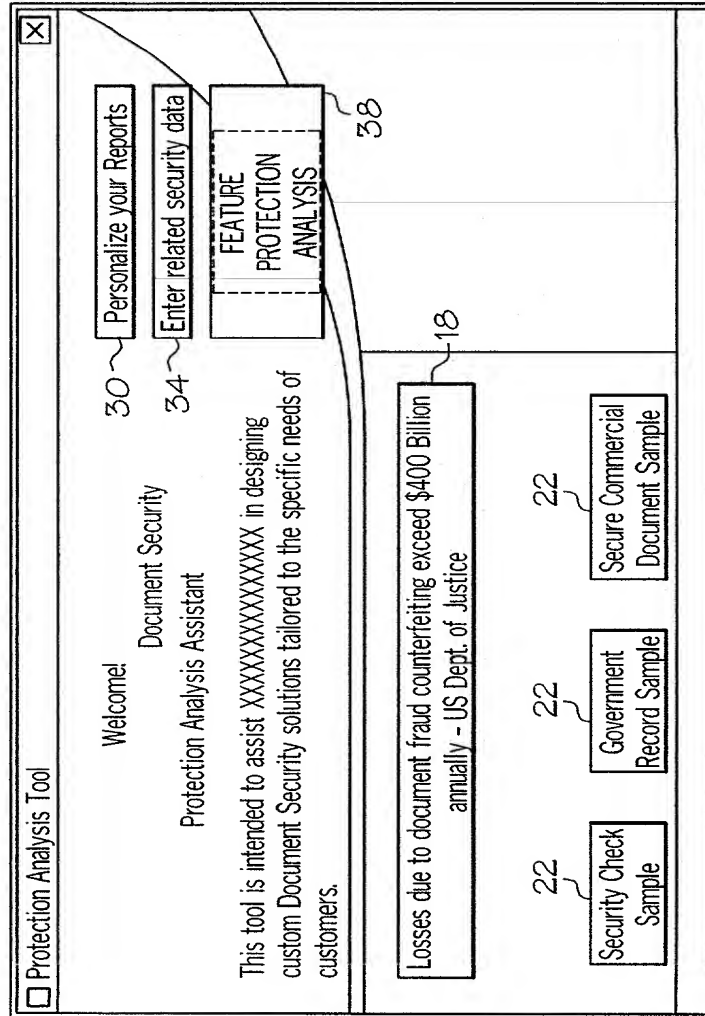


FIG. 2

16

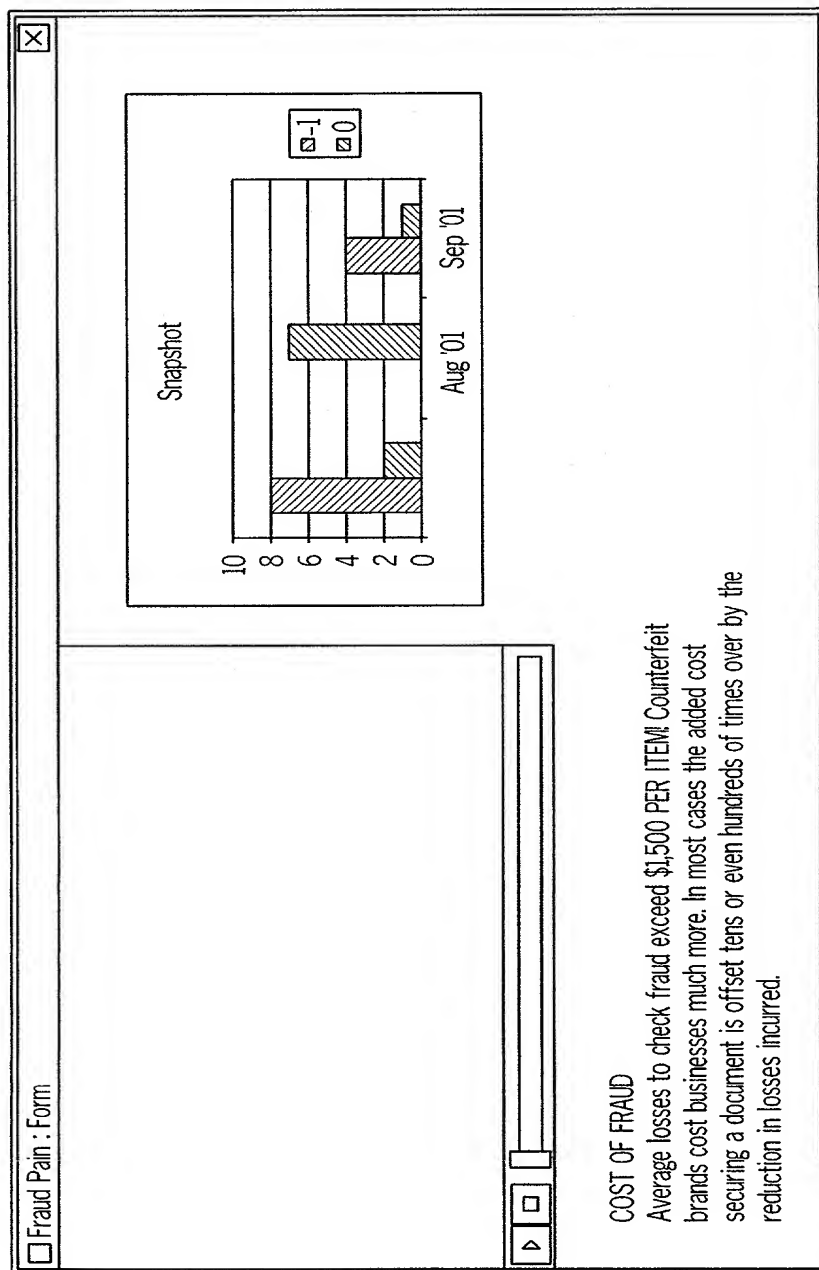


FIG. 3

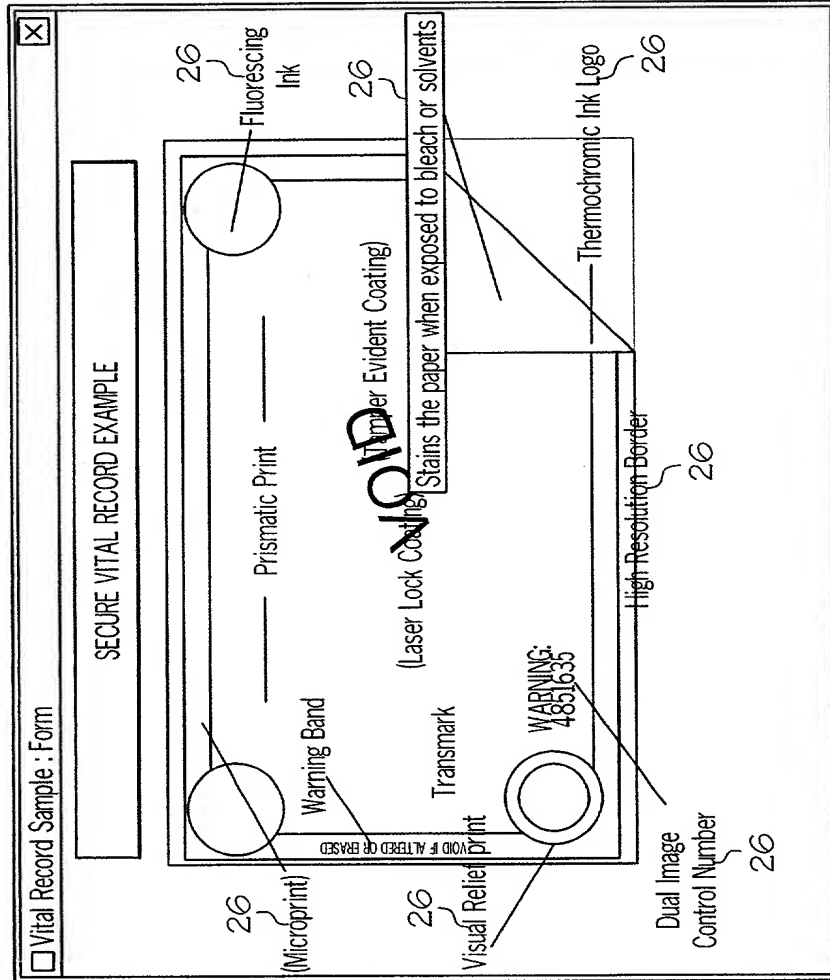
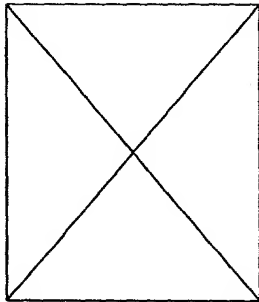


FIG. 4

24 →

28
↙



26
Thermochromic Ink
Home Overt Authentication

Ink that changes color or disappears when warmed and returns back to the original color upon cooling. } 29

Alias:
Mood Ink

Strengths:

This feature provides a good level of protection against copy and counterfeit and can be easily authenticated in the field without special equipment.

Liabilities:

Limited lightfastness if exposed to direct sunlight or extended fluorescent office lighting.
Susceptible to strong solvents and abrasion.

Unique Considerations:

Laser fusers have no permanent impact upon feature performance.
Total life expectancy has not yet been established, but infrequently handled documents under limited exposure to ambient light are anticipated to function in excess of seven years.
Thermochromic inks should be printed over plain paper backgrounds, not other colors.
Additional colors and temperature ranges are available.
Additional information can be found in Engineering Technical Bulletin TBS#8354 on the Knowledge Web.

How to Order:

Thermochromic Ink can be ordered through the home plant.

FIG. 5

☐ Customization Entry

Company Name	Technology & Commercial
Primary Contact	
Presentation Description	
SRC Representation	
SRC Address 1	
SRC Address 2	
City, State Zip	
Phone	
Additional Phone	
E-mail	

FIG. 6

32

33

36

Form Design Questions : Form

- ☐ Will this document be used on a laser printer?
- ☐ Will this be a cut sheet?
- ☐ Is this an image Seal form?
- ☐ Is the purchase cost more important than the potential fraud losses prevented?
- ☐ Is it a problem if this item is copied?
- ☒ Is your organization currently experiencing fraud losses from copies?
- ☒ Is it a problem if the information on printed on this item is altered?
- ☒ Is your organization currently experiencing fraud losses from alterations?
- ☒ Will the acceptors of this document be trained to recognize its appearance?
- ☐ Will every item be tracked and accounted for?
- ☐ Will you be using a computerized authentication system like Positive Pay or a database lookup?
- ☐ Will this material be stored in a secure manner?
- ☐ Will this material be shipped in a secured manner?

37

FIG. 7

Feature Selection : Form

Select Security Features Desired 48

Recall Settings 46

Enter related security data 34

DOCUMENT TYPE 80

Check
Vital Record
Certificate of Origin
Title
Gift Certificate
Prescription
Ticket
Label
Transcript / Letterhead
Other

See A Sample 22

Question and Concerns 76

SECURITY LEVEL 44

Minimal
Recommended
Best in Class

View Protection Summary 52

View Cost Impact Summary 70

Flourishes and Premiums

Custom Screen Halftone
Embossing
Foil Stamps
High Res. Borders
Holograms
Rosettes
Visual Relief Printing

Tamper Protection 44

Accu Trac
Consecutive Number
Laid Lines
Laser Lock
Protection Panels
Secure Number Font
Security Tape
Tamper Evident Coating
Warning Band

Cover Authentication

Erasable Ink
Fluorescent Ink
Hidden Message Border
Microdots
Mirage Image
Microprint
Satellite Image

Photographs and Screens 44

Copyban Capture
Copyban Plus
Super Safety II
Standard Pantograph
Step and Repeat
Prismatic

Overt Authentication 44

Abrasion Ink
Artificial Watermark
Defaced Voucher
Dual Image Number
Latent Image
MICR
Simulated Watermark
Transmark
Thermochromic Ink

Save Settings 48

40

FIG. 8A

☐ Pantograph Selection : Form

A pantograph is a screened background pattern on the face of the document. Only one pantograph may be selected at a time. Void Pantographs like Copyban and Super Safety are special patterns with hidden "VOID" messages that become visible when copied.

☒ Copyban Capture
The best copy protection available in a VOID pantograph. Copyban Captures gradient (dark to light) screens thwart attempts to adjust color copiers to inhibit appearance of the VOID word...

☐ Copyban Plus
Another patented Standard Register technology...

☐ Super Safety (VOID)
Super Safety (often referred to as "VOID" Pantograph) is one of Standard Register's first patented security technologies...

☐ Standard Pantograph
Standard pantographs do not include a hidden "VOID" message and offer no significant protection against color copies...

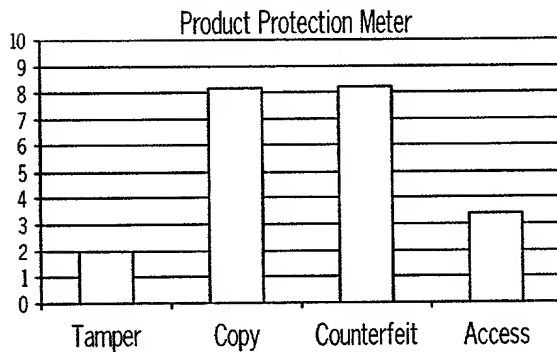
☐ None of the Above
No pantograph is desired

FIG. 8B

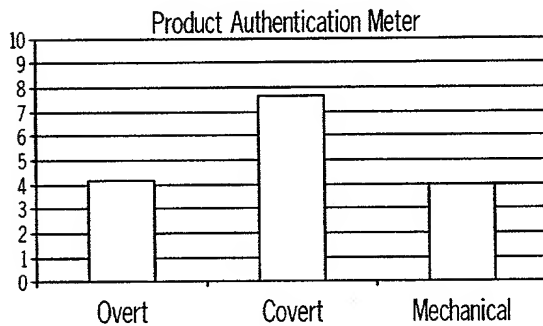
54

Protection and Authentication Assessment

Rating the levels of protection and authentication selected against a scale of 1 to 10, where 1 = None and 10 = Excellent, results in the following scores:



- 56-2 Tamper Protection: Poor 60
 Tamper Protection describes the relative ability of this item to warn the examiner that the information present has been altered.
- 56-8.08 Copy Protection: Good 60
 Copy Protection describes the relative ability of this item to warn the examiner that the entire document has been copied or replicated.
- 56-8.18 Counterfeit Protection: Good 60
 Counterfeit Protection describes the relative ability of this item to warn the examiner that the entire document is fake.
- 56-3.33 Access Protection: Minimal 60
 Access Protection describes the relative difficulty in accessing the item with the intent of producing a fraudulent original.



- 56-4.24 Overt Authentication: Minimal 60
 Overt Authentication describes the relative ease with which a reasonably observant examiner could validate the Authenticity of the item without special equipment or knowledge.
- 56-7.58 Covert Authentication: Good 60
 Covert Authentication describes the relative difficulty of a forger identifying and either reproducing or disabling a hidden security device on the document.
- 56-4 Mechanical Authentication: Minimal 60
 Mechanical Authentication describes the relative ability to authenticate an item mechanically in an automated system.

These are the Security products selected for this review

- Artificial Watermark Imagery printed on the document in white or transparent non-penetrating ink which is visible when viewed at an angle. May optionally fluoresce green under black light.
- Consecutive Number A sequential control or reference ID number printed on the document to aid in determining when & where it was issued.
- Defaced Voucher Background printing across otherwise blank areas of the document intended to prohibit use of the voucher to create a counterfeit.
- Dual Image Numbering A consecutive number printed in two colors, one of which penetrates into the paper and is visible on the back of the sheet.
- Fluorescent Ink Images and words printed on the document that are difficult to see unless exposed under a black light.
- Hidden Message Border A word or phrase hidden within a High Resolution border and requiring a special lens to authenticate.
- High Resolution Border Intricate line patterns that emulate Intaglio printing. These borders enhance the appearance of a document and make replication difficult.
- Microdots A series of small circles of differing dot sizes that are very difficult to reproduce.
- Microprint A line of very fine text that appears as a solid or dashed line until viewed under magnification.
- Pantograph (CB Capture) Darker and lighter gradually changing tones that provide excellent color copy protection against the full range of copier settings. The word "VOID" appears on most color copies made.
- Satellite Image A covert image hidden in the Copyban Capture pantograph that requires a special lens to view on the original document but becomes visible on a color copy.

FIG. 9

62 →

✕

☐ Protection Disclaimer : Form

One or more of the scores provided by this report have identified a deficiency in a specific level of protection. While "perfect" document protection is seldom possible under any circumstances, this item is clearly vulnerable to attack and fraud in the manner noted. Unless corrected, the security features currently selected will be unable to provide your document with adequate protection and performance in the specified area.

Please take a moment to re-examine the levels of protection currently selected and consider improving those categories offering minimal or poor levels of performance.

Problem Area:

Tamper Protection

Features that can help resolve this deficiency include

Tamper Evident Coating

Laid Lines

60 {

A tamper evident coating that displays a "void" word in three languages when activated by chemicals intended to remove the image.

Spaced lines that make alterations by cutting and pasting easier to detect. Green Laid Lines are recommended for best performance.

64

FIG. 10

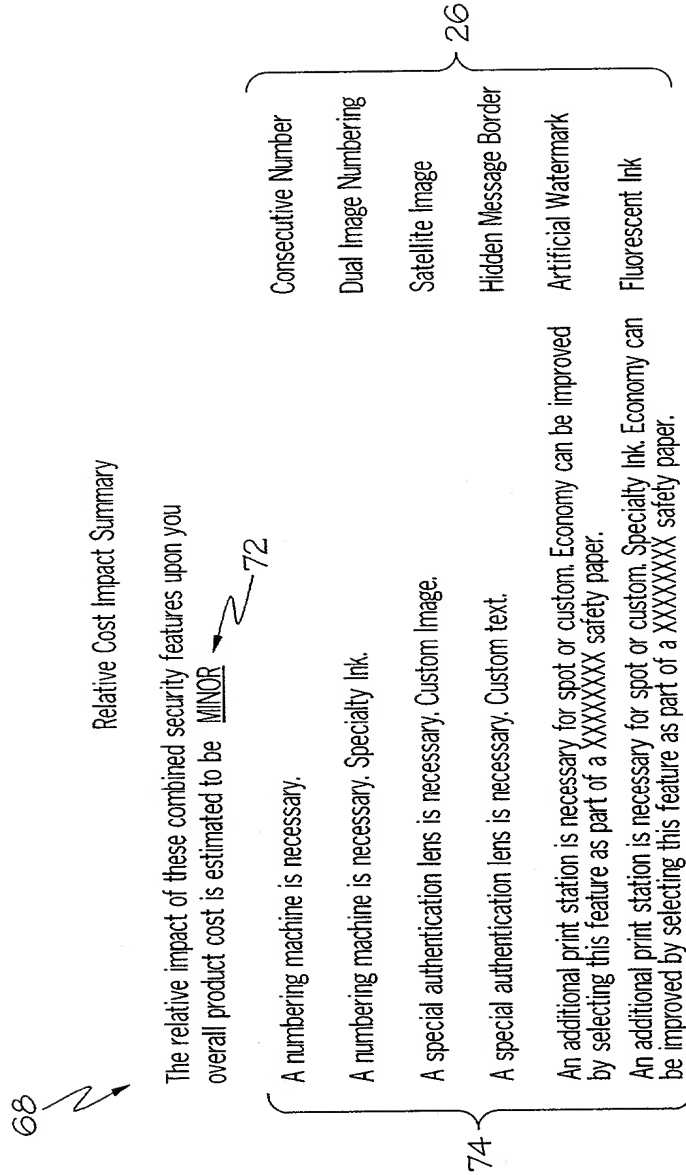


FIG. 11